



SEQUENCE LISTING

<110> Bozzoni, Irene
Denti, Michela Alessandra
Rosa, Alessandro
Universita degli Studi di Roma "La Sapienza"

<120> siRNA expression system

<130> 2312.001US1

<140> US 10/564,020
<141> 2004-07-09

<150> PCT/IT04/000381
<151> 2004-07-09

<150> IT RM2003A000335
<151> 2003-07-09

<160> 29

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> A synthetic pre-siRNA 3' terminus

<400> 1
uuuauc(ccu g

11

<210> 2
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic linker oligonucleotide

<400> 2
gatctggtag cctcgaggct agcggatccg

30

<210> 3
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic linker oligonucleotide

<400> 3
ctagcggatc cgcttagcctc gagggatcca

30

<210> 4
<211> 98
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 4
gatctcatac agggcaattg gcagatcaag cgtttgtta ggcgttgatc tgccaattgc 60
cctttatccc ctgactttct ggagttcaa aagttagac 98

<210> 5
<211> 98
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 5
tcgagtctac ttttgaact ccagaaaagtc agggataaa gggcaattgg cagatcaagc 60
gctacacaaa cgcttgatct gccaattgcc ctgtatga 98

<210> 6
<211> 98
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 6
gatctcatac agggcaattg gcagatcaag cgtttgtta ggcgttgatc tgccaattgc 60
cctttatccc ctgactttct ggagttcaa aagttagac 98

<210> 7
<211> 98
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 7
tcgagtctac ttttgaact ccagaaaagtc agggataaa gggcaattgg cagatcaagc 60
gctacacaaa cgcttgatct gccaattgcc ctgtatga 98

<210> 8
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 8
gatctcgggc aattggcaga tcaagcgtt gtgttagcgct tgatctgcc attgccctta 60
ctttctggag tttcaaaagt agac 84

<210> 9
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

```

<400> 9
ctgagtctac ttttggaaact ccagaaaagta agggcaattg gcagatcaag cgctacacaa 60
acgcttgatc tgccaaattgc ccga 84

<210> 10
<211> 113
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 10
gatctcgggc aattggcaga tcaagcggtt gacttcgcattt gaatgaggatc attcatgaag 60
cgaaaacgctt gatctgccaat ttgccttac tttctggagt ttcaaaaagta gag 113

<210> 11
<211> 113
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 11
ctagctctac ttttggaaact ccagaaaagta agggcaatttgc gcagatcaag cgtttcgctt 60
catgaatgaa ctcattcatg cgaagtcaaa cgcttgcattt gccaattgcc cga 113

<210> 12
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 12
gatctcgccc aattggcaga tcaagcggtt gtgttagcgct tgatctcgca attgcctta 60
ctttctggag tttcaaaaagt agac 84

<210> 13
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 13
ctgagtctac ttttggaaact ccagaaaagta agggcaatttgc cgagatcaag cgctacacaa 60
acgcttgatc tcgccaattgc ccga 84

<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic probe

<400> 14
ggcaattggc agatcaagcg 20

```

```

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic probe

<400> 15
ggcaattgcg agatcaagcg 20

<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic probe

<400> 16
cgcttgatct gccaaattgcc 20

<210> 17
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic box element

<400> 17
gtttcaaaag tagac 15

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic terminator element

<400> 18
ccctrcttt ctggagttc aaaagttagac 30

<210> 19
<211> 399
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 19
ggatccggta aggaccagct tctttggag agaacagacg cagggggcg 60
ggagaggcag acgtcacttc cccttggcg ctctggcagc agattggtcg gttgagttgc 120
agaaaaggcag acggggactg ggcaaggcac tgtcggtgac atcacggaca gggcgacttc 180
tatgttagatg aggcagcgcg gaggctgctg cttcggccact tgctgcttca ccacgaagga 240
gttcccgtgc cctgggagcg gggtcaggac cgctgatcg aagtggaaat cccagctgtg 300
tgtcagggct ggaaagggtc cgggagtgcg cggggcaagt gaccgtgtgt gttaagagtg 360
aggcgtatga ggctgtgtcg gggcagaggc ccaagatct 399

```

<210> 20
<211> 108
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 20
gatctcatac agggcaattg gcagatcaag cgttgtgaag ccacagatga acgcttgatc 60
tgccaaattgc ccttatccc ctgactttct ggagttcaa aagttagac 108

<210> 21
<211> 108
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 21
ctgagtctac ttttgaact ccagaaaatgc agggataaa gggcaattgg cagatcaagc 60
gttcatctgt ggcttcacaa cgcttgatct gccaattgcc ctgtatga 108

<210> 22
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 22
gatctcgggc aattggcaga tcaagcgtt gtgtagcgct tgatctgcc attgccctta 60
cttctggag tttcaaaagt agac 84

<210> 23
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> A synthetic oligonucleotide

<400> 23
ctgagtctac ttttgaact ccagaaaatgc agggcaattg gcagatcaag cgctacacaa 60
acgcttgatc tgccaaattgc ccga 84

<210> 24
<211> 36
<212> DNA
<213> yeast sp.

<400> 24
tgacttcgca tgaatgagtt cattcatgaa gcgaaa 36

<210> 25
<211> 36
<212> DNA
<213> yeast sp.

<400> 25
actgaagcgt acttactcaa gtaagtactt cgcttt

<210> 26
<211> 77
<212> RNA
<213> Artificial Sequence

<220>
<223> A synthetic snRNA sequence

<400> 26
auacaggggca auuggcagau caagcguugu gaagccacag augaacgcuu gaucugccaa 60
uugcccuuua uccccug 77

<210> 27
<211> 67
<212> RNA
<213> Artificial Sequence

<220>
<223> A synthetic snRNA sequence

<400> 27
auacaggggca auuggcagau caagcguuug uguagcgcuu gaucugccaa uugcccuuua 60
uccccug 67

<210> 28
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> A synthetic snRNA sequence

<400> 28
gggcaauugg cagaucaagc guuuguguag cgcuugaucu gccaaauugcc cuu 53

<210> 29
<211> 82
<212> RNA
<213> Artificial Sequence

<220>
<223> A synthetic snRNA sequence

<400> 29
gggcaauugg cagaucaagc guuugacuuc gcaugaauga guucauucau gaagcgaaac 60
gcuugaucug ccaauugccc uu 82